

S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|             |   |                 |              |
|-------------|---|-----------------|--------------|
| Applicant:  | GILL et al.                                     | Examiner:       | A. Spiegler  |
| Serial No.: | Unknown   | Group Art Unit: | 1656         |
| Filed:      | Concurrent herewith                             | Docket No.:     | 7500.331USC1 |
| Title:      | IMPROVEMENTS IN AND RELATING TO ANALYSIS OF DNA |                 |              |



CERTIFICATE UNDER 37 CFR 1.10

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Date of Deposit: December 27, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail PostOffice To Addressee' service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

By

  
Chris Stordahl

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted within three months of the filing date of the above-identified application, which is not an application under 37 C.F.R.

§ 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(d), a copy of each document or other information listed on the enclosed Form 1449 is not provided because it was previously cited by or submitted to the U.S. Patent and Trademark Office in parent application, U.S. Serial No. 09/624,267 filed on July 24, 2000.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to

establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

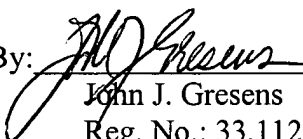
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

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Dated: December 27, 2001

By:   
John J. Gresens  
Reg. No.: 33,112

JJG/pjk

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| <b>FORM 1449*</b><br><b>INFORMATION DISCLOSURE STATEMENT</b><br><br><b>IN AN APPLICATION</b><br><br>(Use several sheets if necessary) | Docket Number:<br>7500.331USC1   | Application Number:<br>Unknown |
|   | Applicant: Gill, et al.          |                                |
|   | Filing Date: Concurrent herewith | Group Art Unit: 1645           |

JC932 U.S. PTO  
 10/034692  
 12/27/01

| U.S. PATENT DOCUMENTS  |              |  |                  |       |          |                            |
|--|--------------|--|------------------|-------|----------|----------------------------|
| EXAMINER INITIAL   | DOCUMENT NO. | DATE   | NAME             | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|  | 5 710 028    | January, 1998  | Navot Nir et al. |       |          |                            |
| FOREIGN PATENT DOCUMENTS   |              |  |                  |       |          |                            |
|  | DOCUMENT NO. | DATE   | COUNTRY          | CLASS | SUBCLASS | TRANSLATION                |
|  |              |  |                  |       |          | YES NO                     |
|  | 93 25563     | December, 1993   | WIPO             |       |          |                            |
|  | 2 312 747    | November, 1997   | Great Britain    |       |          |                            |
|  |              |  |                  |       |          |                            |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |              |  |                  |       |          |                            |
|  |              | Brownie, et al., "The Elimination Of Primer-Dimer Accumulation In PCR", <u>Nucleic Acids Research</u> , Vol. 25, No. 16, pps. 3235-3241, 1997.   |                  |       |          |                            |
|  |              | Heath, et al., "Universal Primer Quantitative Fluorescent Mutiplex (UPQFM) PCR: A Method To Detect Major And Minor Rearrangements Of The Low Density Lipoprotein Receptor Gene", <u>Med Genet</u> 2000; 37:272-280, 1999.            |                  |       |          |                            |
|  |              | Newton, et al., "Analysis Of Any Point Mutation In DNA. The Amplification Refractory Mutation System (ARMS)", <u>Nucleic Acids Research</u> , Vol. 17, No. 7, pps: 2503-2516, 1989.  |                  |       |          |                            |
|  |              | Shuber, et al., "A Simplified Procedure For Developing Mutiplex PCRs", <u>GENOME RESEARCH</u> , Cold Spring Harbor Laboratory Press ISSN, 5:488-493, 1995.   |                  |       |          |                            |
|  |              | Old, "Detection of Mutations by the Amplification Refractory Mutation System (Arms)", <u>Methods in Molecular Biology</u> , US, Humanna Press, Inc., Clifton, NJ, Vol. 9, pages 77-84, 1991  |                  |       |          |                            |
|  |              | Wang et al., "Large-scale Identification, Mapping, and Genotyping of Single-nucleotide Polymorphisms in the Human Genome", <u>Science</u> , US, American Association for the Advancement of Science, Vol. 280, pages 1077-1082, 1998 |                  |       |          |                            |
|  |              | Hoogendoorn et al., "Genotyping Single Nucleotide Polymorphisms by Primer Externsion and High Performance Liquide Chromatography" <u>Human Genetics</u> , Berlin, DE, Vol. 104, pages 89-93, 1999                                    |                  |       |          |                            |
|  |              | J. M. Curran, et al., "Interpreting DNA Mixtures in Structured Populations", <u>Journal of Forensic Science</u> , vol. 44, no. 5, September 1999, pages 987-995  |                  |       |          |                            |
|  |              | B.S. Weir, et al., "Interpreting DNA Mixtures", <u>Journal of Forensic Science</u> , vol. 42, no. 2, March 1997, pages 213-222   |                  |       |          |                            |
|  |              | T.M. Clayton, et al., "Analysis and Interpretation of Mixed Forensic Strains Using DNA STR Profiling", <u>Forensic Science International</u> , vol. 91, 1998, pages 55-70  |                  |       |          |                            |
|  |              | P. Gill, et al., "Interpreting Simple Mixtures Using Allele Peak Areas", <u>Forensic Science International</u> , vol. 91, January 9, 1998, pages 41-53   |                  |       |          |                            |
|  |              | P. Gill, " An Assessment of the Utility of Singlenucleotide Polymorphisms (SNPs) for Forensic Purposes", <u>International Journal of Legal Medicine</u> , vol. 114, April, 2001, pages 204-210                                       |                  |       |          |                            |
|  |              | Paranavitana <u>Molecular and Cellular Probes</u> (1998) 12:309-315  |                  |       |          |                            |
|  |              | Wu et al. <u>PNAS</u> (1989) 86: 2757-2760   |                  |       |          |                            |

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|---|-----------------|
| EXAMINER  | DATE CONSIDERED |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant. |                 |